

SLOW RESPONSES IN REDUNDANT ARRAYS OF INEXPENSIVE DISKS

Abstract of the Disclosure

5 A redundant array includes a plurality of disks, a
bus coupling the disks, a receiving device, and a device to
reconstruct a block stored in one of the disks. The device
reconstructs the block with associated data and parity
blocks from other disks. The device transmits the
reconstructed block to the receiving device in response to
the one of the disks being slowly responding. A method
10 includes requesting a first disk to transmit a first block,
reconstructing, when necessary, the first block from
associated data stored in other disks of a RAID
configuration, and transmitting the reconstructed block
directly to a receiving device. The transmitting is in
15 response to the first disk not transmitting the block in a
predetermined time.

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